

## **ABSTRACT**

A light-weight polymer composite endcap, or plug, for a tubular baseball bat provides structural support to the bat barrel end. The endcap permanently bonded to the bat barrel end with a high strength structural adhesive closes off the hollow barrel end. The endcap has a simple geometric shape and has a relatively uniform and thin wall thickness. The light weight achieved by the polymer composite endcap is useful in meeting reduced standards established by regulating bodies and more importantly improves player bat control and swing-speed during the bat swinging phase.